



FREDERICK COUNTY GOVERNMENT

DIVISION OF FINANCE

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December 21, 2012

Bid No. 13-CP-06

Rosemont Water Line Replacement

Addendum No. 2

This addendum contains revisions, clarifications, and information pertinent to the bid documents of the referenced project and shall supplement, amend, and become part of the procurement documents for the title project and contract. All bids shall be based on this Addendum, in accordance with the bid documents.

This Addendum consists of this sheet, revised proposal Form, Responses to RFIs, Pre-Bid Meeting Minutes, Sketch SK-1 and Details.

Acknowledgment of this addendum shall be made on the Proposal, including addendum number and date. Failure to acknowledge addendum may subject the bidder to disqualification.

The bid due date has not been changed.

Except as noted herein, all terms and conditions of the document referenced, as heretofore changed, remain unchanged and in full force and effect.

Tim Kepp, Project Manager

FREDERICK COUNTY CONTRACT NO. 339A-SW
ROSEMONT WATERLINE REPLACEMENT

PROPOSAL FORM
(Revised December 20, 2012)

Date: _____

Bidder: _____

Bidder Address: _____

Phone: _____

Signature: _____

Bid Schedule Base Bid

Item No.	Quantity	Units	Description	Unit Price	Total Price
A-1	1	LS	Mobilization	\$	\$
A-2	1	LS	Furnish and Install Temporary Water System (Complete)	\$	\$
A-3	7,900	LF	Furnish and Install 8" Ductile Iron Pipe, Class 52 (Complete)	\$	\$
A-4	10	EA	Furnish and Install Valves, 8" (Complete)	\$	\$
A-5	18	EA	Furnish and Install Fire Hydrant Standard (Complete)	\$	\$
A-6	1	EA	Furnish and Install Fire Hydrant with TS&V (Complete)	\$	\$
A-7	66	EA	Furnish and Install House Connection with Outside Meter 3/4"(Complete)	\$	\$
A-8	3	EA	Furnish and Install House Connection with Outside Meter 3/4" with Pressure Regulator (Complete)	\$	\$

Rosemont Water Line Replacement Project

Bid No. 13-CP-06

Issued with Addendum No. 2

Item No.	Quantity	Units	Description	Unit Price	Total Price
A-9	6	EA	Furnish and Install House Connection with Outside Meter 1"for Doubles (Complete)	\$	\$
A-10	3	EA	Furnish and Install Automatic Blow-Off Valve (Complete)	\$	\$
A-11	1	EA	Furnish and Install Compound and Detector Meter (Modified) (Complete)	\$	\$
A-12	500	TON	Hot Mix Asphalt Patch, Surface, 2" Depth (Complete)	\$	\$
A-13	1500	TON	Hot Mix Asphalt Patch, Base, 6" Depth (Complete)	\$	\$
A-14	6	EA	Tree Removal (Complete)	\$	\$
Total for Base Bid Items:				\$	

Bid Schedule Contingent Items

Item No.	Quantity	Units	Description	Unit Price	Total Price
B-1	100	CY	Excavation and Granular Backfill Below Subgrade (Complete)	\$	\$
B-2			<ITEM DELETED>	\$	\$
B-3			<ITEM DELETED>	\$	\$
B-4	20	SY	Concrete Ditches, Channel and Slope Protection (Complete)	\$	\$
B-5	200	CY	Test Pit Excavation and Backfill	\$	\$
B-6	50	LF	Furnish and Install Silt Fence (Complete)	\$	\$

Rosemont Water Line Replacement Project

Bid No. 13-CP-06

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Item No.	Quantity	Units	Description	Unit Price	Total Price
B-7	50	SY	Furnish and Install Erosion Control Matting (Complete)	\$	\$
B-8	100	SY	Furnish and Install Temporary Seeding and Mulching (Complete)	\$	\$
B-9	100	LF	Replace Private Water Piping Beyond Meter to House, 3/4" (Complete)	\$	\$
B-10	100	LF	Replace Private Water Piping Beyond Meter to House, 1" (Complete)	\$	\$
B-11	1	EA	Furnish & Install Thermal Expansion Tank & Pressure Reducing Valve by Master Plumber (Complete)	\$	\$
			<ITEM DELETED>	\$	\$
			<ITEM DELETED>	\$	\$
B-14	50	CY	Cast-In-Place Concrete	\$	\$
Total for Contingent Items:				\$	

Bid Schedule Alternate Item

Item No.	Quantity	Units	Description	Unit Price	Total Price
Alt. 1.1	570	tons	Furnish and Install 2" Mill and Overlay (HMA) (Complete)	\$	\$

Total Bid Schedule Bid Price:

(Total Base Bid Items + Total Contingent Bid Items) \$ _____

Total Bid Schedule Bid Price (Total Base Bid Items + Total Contingent Items) in writing: _____

Total Bid Schedule Bid Price Including Alternate:

(Total Base Bid Items + Total Contingent Bid Items + Alternate Item) \$ _____

Total Bid Schedule Bid Price (Total Base Bid Items + Total Contingent Items + Alternate Item)
in writing: _____

The work shall be ready for conditional acceptance within **180** calendar days following the notice to proceed. Conditional acceptance is defined as the entire water system being completely operational. An additional 30 calendar days will be provided to complete permanent asphalt surface restoration and punchlist items.

IT IS THE INTENT OF THE COUNTY TO ASSESS LIQUIDATED DAMAGES IN ACCORDANCE WITH ARTICLE 15 OF THE GENERAL CONDITIONS AND AS MODIFIED IN THE SPECIAL PROVISIONS OF THIS DOCUMENT FOR EACH CALENDAR DAY THE CONTRACTOR IS DELINQUENT IN COMPLETING THE WORK IN THE CONTRACT.

FREDERICK COUNTY-DUSWM RESPONSES TO RFI

Question No. 1: Will an engineer's office be required on this project? If an office is required does the County have a location on site for the trailer to be placed?

Answer 1: An engineer's office is required in accordance with Section 1800 of the *General Conditions and Standard Specifications for Water Mains, Sanitary Sewers and Related Structures*, as amended. Merryland Park is a potential location for the office but **cannot** be used for material storage. Contact Burgess Watson at **240-409-5450** to confirm office site availability and details.

Question No. 2: The Invitation to Bid and Maryland Revolving Loan Fund sections both indicate that prevailing wage rates will apply to this project however a wage determination ID number is not shown in either section. When following the instructions and web link provided in the funding insert, we find General decision Number MD 120055 dated 9-14-2012. When reviewing the rates provided on this wage decision, there do not appear to be rates provided for a plumber or a "non-union" truck driver. Please confirm that General Decision Number MD 120055 dated 9-14-2012 is the correct wage decision for this project. Additionally, please provide applicable wage rates for the registered plumbers as well as "non-union" truck drivers used on this project.

Answer 2: The Bidder's attention is directed to the MDE contact concerning information involving the SRF State Insert:

Darlene D. Mitchell
Program Manager
RLF Capital program, M/WBE Utilization
Maryland Water Quality Financing Administration
1800 Washington Blvd., Suite 515
Baltimore, MD 21230
(O) 410-537-3146
(F) 410-537-3968

Question No. 3: The bid form indicates the project should be ready for conditional acceptance within 180 calendar days following the notice to proceed. Please provide additional clarification regarding the definition of "conditional acceptance". Is this all underground work complete as a usable system? Are the contingent private property items included in conditional acceptance? Is permanent restoration included in conditional acceptance?

Answer 3: A 180 construction during is required because of the temporary water services. The proposed water system, including all DIP, appurtenances and water service connections shall be installed and complete and that the water system must be conditionally accepted by the appropriate jurisdictional authority within the 180 day time period. An additional 30 days may be granted by the Owner for final restoration purposes only.

Question No. 4: The Appendices table of contents lists several standard details which are not provided in the bid package. The missing details referenced are 2.1, 2.3, 3.1, 7.1, 101.1, 102, 104,

108.3, 108.2, 109.1, and 115.1. All of these pages appear to be missing from the electronic copy of the bid package we downloaded.

Answer 4: The missing details are provided herewith and attached at the end of this addendum. Please note that details number 7.1 and 108.3. Have been removed from the County standards and are not included with the attached.

Question No. 5: Please confirm the record drawing requirements for this project. Will hand drafted "red-line" drawings be acceptable? How many copies of the final "red-line" drawings will be required? Is the Contractor required to utilize a registered surveyor or professional engineer for completing the final record drawing package to the project Owner?

Answer 5: The Bidder's attention is directed to the Frederick County General Conditions and Standard Specifications for Water Mains, Sanitary Sewers and Related Structures, Section 1200-Contractor's Drawings and Submittals, D. Record Drawings. Neat hand drafting is acceptable on the field paper set. Once approved by the Owner, the contractor's responsibility ends with regard to the record drawings Registered surveyor/engineer is not required.

Question No. 6: The special provisions indicate that vertical information shall be provided for all piping at 50' even station intervals, at all appurtenances (tee, hydrants, valves, etc.), and every storm drain crossing. Is it the County's intent to have the project inspector and crew foreman work together to obtain and document this information? With no profile views provided for the new water main piping, are we to hand draft this information on the plans?

Answer 6: Field control has been placed as shown on the plans for the contractor's use. It is our intent to have the contractor and inspector to work together to obtain and document this top of pipe elevation information on the as-built plans. Neat hand drafting of this information is acceptable.

Question No. 7: Please confirm the need for a construction stakeout performed by a registered Maryland surveyor. It seems that the intent of this project is to remove/replace the existing water main at the same horizontal alignment with depth of bury a min. of 48" cover or greater when providing proper clearances at existing utility crossings. If so, the location of the new main will be determined when the existing line is located by Miss Utility and verified by test pit excavations at the start of construction. Based on the fact there are no profiles provided for the new water main installations, it would appear that the only benefit of a construction stakeout for this project would be the establishment of stationing for measurement and payment of the water main piping however this could also be easily accomplished by a field superintendent and a project inspector. Will construction stakeout with cut sheets be required for this project?

Answer 7: Construction stakeout and cut sheets are required to provide horizontal stationing and to establish existing grade elevation over the pipe. Crew performing this work must be competent to provide accurate stakeout but a registered surveyor is not required. The minimum cover over the water main is 3.5 feet but the bid should be based upon 4.0 feet of

cover. If deeper than 4.0 feet of cover, the appropriate contingent item per CY will be used to address additional excavation and backfill as measured in the field.

Question No. 8: Upon searching the MDE NOI database, we see that the public comment period ended on 11-2-2012 for the referenced project however the status is still shown as "pending". Are there any anticipated delays with the issuance of the MDE NOI permit?

Answer 8: No delays are expected due to the MDE NOI permit.

Question No. 9: What information is available regarding the material types of the existing water main and water services?

Answer 9: The information as shown on the plans was taken from best available records. Although the existence of asbestos cement pipe is not evident the County cannot be 100% certain that it does not exist. Therefore the following is **ADDED** to Section 02550-Water System, IV. Measurement and Payment, J. Non-Payment Items, of the Frederick County's General Conditions and Standard Specifications for Water Mains, Sanitary Sewers and Related Structures.

1. REMOVAL OF EXISTING ASBESTOS CEMENT (A/C) PIPE

1. Asbestos cement (A/C) pipe contains asbestos in quantities sufficient to be a health hazard when disturbed or found in a degraded state or friable condition. Unprotected exposure to asbestos fibers has been determined to significantly increase risk of incurring asbestosis, lung cancer, mesothelioma and gastrointestinal cancers.
2. Removal of A/C pipe shall be performed in accordance with applicable EPA and OSHA regulations and applicable federal, state, and local regulations by personnel certified and licensed in accordance with applicable federal, state and local regulations. The Contractor shall submit required notices to the Owner and other state and federal authorities, as required, prior to beginning (removal) work.
3. The Contractor shall spray and saturate pipe with amended water prior to disturbing the A/C pipe. The Contractor shall remove pipe with little or no breakage. Pipe shall not be grounded, broken, crushed, sawed, or abraded which would cause asbestos material to become friable or airborne. Saws specifically designed and equipped with a high efficiency particulate air filtered vacuum system may be used. Cuts shall be continuously sprayed with amended water during cutting.
4. If personal fiber counts taken during the work exceed 0.10 f/cc or the pipe becomes friable, the Contractor shall cease operations at the pipe and take appropriate corrective action to reduce fiber generation.
5. The Contractor shall double bag or wrap asbestos contaminated material, seal and mark containers and properly dispose of the material at an authorized disposal site in accordance with federal, state and local requirements. The Contractor shall provide the Owner with a

signed manifest or other proof that asbestos contaminated material has been disposed of legally.

Question No. 10: Frederick County Standard Detail No. 2 indicates that no special bedding materials are required for ductile iron piping with the exception of areas where rock is encountered. Please confirm that pipe bedding for this project will be in accordance with Standard Detail No. 2 dated 2-20-80.

Answer 10: Please refer to Detail No. 2.1 attached herewith but stone bedding is not required for DIP. Note that backfill within the SHA R/W shall be full depth GAB from 12-inches above the pipe to the bottom of asphalt patch.

Question No. 11: In areas where the existing water main is not removed as part of this project, what is the acceptable method of abandonment for the existing piping? Cap ends of piping? Fill with grout? Please clarify. . .

Answer 11: For existing water mains to be abandoned, in-place, shall be cut, filled with flowable fill/grout and capped. The limits of this abandonment shall be clearly indicated on the as-built plans.

Question No. 12: There are several locations on the plans that indicate restrained joints are required on the new piping. Please confirm the acceptable means of restraining push joint on ductile iron piping for this project. The pre-approved material listing on the County's web-site indicates that several push-joint restraining gaskets by various manufacturers are acceptable (Fast Grip Gasket, Field Lok 350 Gasket & Gripper Gasket). Atlantic States Cast Iron Pipe Co. now manufactures their own push-joint restraining gasket (Sure Stop 350 Gasket) as well. Will push-on restraining gaskets be permitted on this project? Are Sure Stop 350 Gaskets approved for use?

Answer 12: Push-on type is acceptable as listed on the pre-approved materials list. Changes made to the pre-approved materials list are done outside of the bidding process. Bidders should refer to the pre-approved list on the County website. If a Contractor would like to add or delete something from the pre-approved list then a proper submission should be made for review and consideration.

Question No. 13: We have noticed there is not a bid item provided for the 16"x8" tapping sleeve and valve installation illustrated on plan sheet 5. Should there be a separate bid item for this piece of work or will it be considered incidental to the new 8" main?

Answer 13: The specification for Item No. A-11, "Furnish and Install Compound and Detector Meter (Modified)(Complete)" in Section 02550, Water System, includes connection to the 16" water main on Souder Road and the pipe leading to the meter vault.

Question No. 14: Bid Item A-4, 8" gate valves, has an item quantity of 9 however there are 12 each shown on the plans. Will all 8" valve be measured and paid for under this item? Please confirm the correct bid item quantity.

Answer 14: Please see the revised Proposal Form herewith

Question No. 15: Specification 02555 indicates that all bypass piping crossing roadways shall be lowered or “notched” into roadway with no more than 2” above roadway surface. We suggest that all bypass crossing the roadway be notched completely below the roadway surface. Will pavement restoration, patching and mill/overlay, required as a result of the temporary bypass setup be measured and paid for under appropriate base bid and contingent restoration items?

Answer 15: We concur that the temporary pipe should not extend above the roadway surface. All work performed shall be restored as described in Section 1900 of the Frederick County General Conditions and Standard Specifications for Water Mains, Sanitary Sewers and Related Structures. Restoration needed as a result of Item No. A-2, Furnish and Install Temporary Water System (Complete) should be considered incidental to Item No. A-2. Use 2-inch depth of temporary asphalt patch during operation of the temporary system. Final roadway restoration shall be minimum width of 5 feet (use min 2’ cutback each side of trench) using 4-inches of base asphalt and 2-inches of surface asphalt.

Question No. 16: Specification 02555 indicates that temporary fire hydrants must be provided as part of the temporary bypass piping setup for the project. What is the maximum spacing interval for the temporary fire hydrants on this project? One temporary fire hydrant for each fire hydrant on the existing piping system?

Answer 16: There will be no temporary fire protection for the duration of this project.

Question No. 17: There does not appear to be a project specific trench detail indicating the backfill requirements for this project. Will full-depth aggregate backfill with removal and disposal of all excavated material be required for all trenches within pavement, within SHA right-of-way, within roadway shoulder? Please clarify when/if full depth aggregate backfill will be required on this project.

Answer 17: See attached sketch SK-1

Question No. 18: General Note 12 states that “Utility trench repairs will not be measured for payment but the cost thereof will be considered as incidental to the contract”. Additionally, Frederick County Standard Specifications 02550, Section IV Measurement and Payment, Subsection J Non-Payment Items, lists “Restoration and re-stabilization of disturbed areas” as incidental. Will all roadway and driveway pavement restoration be incidental or measured and paid for? Please outline all payable and incidental restoration on this project.

Answer 18: General Note No. 12 located on the title sheet, is hereby modified. The text following reference to MD 578.01 is **DELETED**.

12. CONTRACTOR SHALL REPAIR/RESTORE ALL DISTURBED ROADWAYS, SHOULDERS AND STRUCTURES TO THEIR ORIGINAL CONDITION. PAVEMENT REPAIR/RESTORATION SHALL BE FULL DEPTH SAW CUT WITH MINIMUM PERAIR/RESTORE PAVEMENT WIDTH OF FOUR (4) FEET AND MAY NOT BE LOCATED IN THE WHEEL RUT ON THE ROADWAY; 12" OF GAB, 6" BASE HMA 19.0 MM PG 64-22. UTILITY TRENCH REPAIRS SHALL BE PER SHA STANDARD NO. MD 578.01 AND FREDERICK COUNTY STANDARD NO. 3.1. RESTORATION OF ROADWAYS, SHOULDERS AND STRUCTURES INCLUDING SAW CUTTING PAVEMENT AND UTILITY TRENCH REPAIRS WILL NOT BE MEASURED FOR PAYMENT BUT THE COST THEREOF WILL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT.

Question No. 19: General Note 12 states that “Pavement repair/restoration shall be full depth sawcut with minimum repair/restore pavement width of four (4) feet and may not be located within the wheel rut on the roadway”. Considering the proposed alignment of the entire project is along the pavement edge, how are we to avoid having a patch in the wheel rut of the roadway?

Answer 19: Clarification: Should the sawcut line for the utility patch fall within and parallel with the path of the wheels (otherwise known as the wheel rut) of vehicular traffic, then an additional 2-foot width of trench patch will be required. See Sketch SK-1 attached.

Question No. 20: The base bid quantity for Bid Item A-13 is sufficient to provide a 4' wide patch for the entire length of the project. After reviewing the plans, there appears several areas that show the piping placement outside of the existing pavement limits. What is the County's intent . . . install the new water main off the edge of the roadway where possible? . . . or . . . install the new water main within the existing pavement edge for the entire project?

Answer 20: The larger pavement quantity was provided on the proposal in an effort to accommodate those locations where the trench patch will fall within the wheel rut area and an additional trench width will be needed for stabilization. The Bidder should be aware that the quantities on the proposal form are estimated values and their existence thereon does not guarantee use thereof.

Question No. 21: Considering the fact that the base bid Hot Mix Patches item quantity cover the entire project, a contingent item seems unnecessary. Where is an additional 200 SY of Hot Mix Asphalt patching anticipated?

Answer 21: Item deleted from Proposal Form. See revised version.

Question No. 22: The SHA 578.01 detail provided on plan sheet 12 illustrates three possible scenarios. Please confirm that all SHA repairs preformed will be in accordance with the “Flexible Pavement” option shown and will be measured and paid for under Base Bid Item A-13.

Answer 22: Confirmed.

Question No. 23: The County Road Repair Detail No. 3.1 provided on plan sheet 12 illustrates two possible repair scenarios, one being 8” of reinforced concrete with 2” of bituminous asphalt surface and the other being full depth concrete with reinforcement. Please confirm where Detail No. 3.1 will be applicable on this project and what bid item will be used for measurement and payment as all current patching bid items are “Full Depth Hot Mix Asphalt”.

Answer 23: The Standard Detail 3.1 shown on sheet 12 is incorrect and hereby **DELETED**. Bidders should reference Frederick County Standard Detail No. 3.1 attached to this addendum. Detail 3.1 is used for all utility trench repair on County roads. Said detail is only included for unforeseen purposes.

Question No. 24: The specifications are unclear regarding how driveway restoration will be measured and paid for. There is no item provided in the Base Bid Item for driveway restoration

however there is a Contingent Item B-12 provided for 3" Hot Mix Asphalt Driveway and Contingent Item B-13 for 6" Concrete Driveway Repair. Please confirm how measurement and payment for driveway restoration will be handled on the project. Will all driveway restoration be measured and paid for? If so, which item/items will be used for payment?

Answer 24: All driveway restoration shall be incidental to the contract for the scope of work shown on the plans. Contingent items are only to be used to address driveway disturbance as a result of unforeseen conditions.

Question No. 25 & 26: Several locations on the plans identify mill/overlay limits at intersections while the bid item quantities seem to imply that a full width mill/overlay will be required on all roadways within the limits of the project. What is the County's intent . . . mill/overlay intersections as outlined on plan notes? . . . mill/overlay single travel lanes based on project disturbances? . . . mill/overlay full roadway within limits of project? Please review bid item quantities based on response.

Answer 25/26: Quantities for mill and overlay related to this project have changed significantly. Please refer to the revised "Proposal Form". The Alternate Bid Item-Furnish and Install 2" Mill and Overlay (Hot Mix Asphalt) (Complete), 570 tons is for the mill and overlay needed for proper restoration of Rosemont Drive and Souder Road per SHA utility permit. Half-road width mill/overlay for longitudinal cuts is intended on Rosemont Drive. The overlay of Petersville Road shall be completed by others.

Question No. 27: All plan sheet(s) have a note indicating that all water services crossing the roadway shall be installed by trenchless means. If there will be a mill/overlay of the entire roadway, can water service replacements be open-cut?

Answer 27: The Bidder should be prepared to provide all water service connections that cross a road, using trenchless technology with the exception of the water service connections on Souder Road. Only in those locations where the main crosses a State highway will there be open cut trenches.

Question No. 28: Considering the fact that the base bid mill/overlay item quantity covers the entire project, a contingent item seems unnecessary. Where is an additional 5,885 SY of mill/overlay anticipated? This quantity seems excessive for a contingent item that may or may not be used.

Answer 28: Quantities for mill and overlay related to this project have changed significantly. Please refer to the revised "Proposal Form" under the Alternate bid item.

Question No. 29: Due to the large amount of asphalt materials required on this project and the potential volatility in this petroleum based product, we recommend that Frederick County establish the current MDSHA price index as the basis for all pricing at the time of bid and incorporate their specifications for pricing adjustments at time of placement should pricing fluctuate.

Answer 29: For bidding purposes, the bidders shall use an asphalt price index of \$560/ton. If the price fluctuates more than 5% above or below this value, the MdSHA adjustment formula may be used to adjust the price of asphalt material only in accordance with SHA procedures.

All other costs required to install the asphalt shall not be adjusted. Also see the revised proposal form for adjusted bid quantities.

Question No. 30: The WSCs at 1208 and 1213 Rosemont are shown on plan sheet 4 as double meters in the plan view while they are listed as single WSCs in the service table on the same plan sheet. Our takeoff seems to indicate these two locations are included in the quantities for bid item A-9 (Double WHCs). Please Confirm . . .

Answer 30: Clarification: "Field Located Meter" indicates an existing meter vault located by surveyors. Lots 1208 and 1213 show an existing meter vault each and one proposed meter vault each. It has recently been determined that lot 1208 will not receive a new meter vault and the number has been reduced on the revised proposal form.

Question No. 31: During the pre-bid meeting, it was implied that many of the properties on this project currently have inside meters. Are the existing interior meters to remain "in-place" or is the Contractor to remove them as part of this project? If removal of the existing inside meter/meters is required, are we simply removing the meter and installing an idler or will a more involved plumbing effort be required? Please clarify the scope of work and which item/items this work will be measured and paid under.

Answer 31: The Contractor will not be responsible for any modifications to the existing inside meter settings. Additional plumbing required inside the property will be done at the property owner's expense, by means of the available contingent items B-9, B-10 or B-11 **OR** by means of their own plumber. The County or the City will install the new meters in the new outside vaults.

Question No. 32: General Note 13 on the plans indicates that Frederick County will furnish & install water meters for this project. Will the new meters be installed as the WHC installations progress or will idlers and expansion connections be required for all meter pits as illustrated on detail 110.1, 110.2 & 110.4?

Answer 32: The Contractor will be responsible for installation of idlers and expansion connections per the standard details.

Question No. 33: General Note 24 on the plans indicates that when County water is connected to a property with an existing well, the well must be abandoned. Are there any well abandonments anticipated for this project? If so, are the abandonments part of this project? Please provide a specification for this item of work. What are the addresses? What bid item will this work be measured and paid under?

Answer 33: There are **NO NEW SERVICES** or well abandonments involved in this project. The Contractor shall only provide WSCs to those properties currently being served water and those locations are shown on the plans based upon best available information.

Question No. 34: Detail 110.1, 110.2 and 110.4 all include a note stating "coil enough copper in the bottom of the meter vault to allow for maximum of 12" vertical height adjustment". Has Frederick

County used this type of installation in the past . . . if so, were there any problems experienced when the coils were pulled up to reset the meter yoke?

Answer 34: The Contractor will not be responsible for coiling the copper pipe in the meter vault as noted on these details. Final setting depth shall provide the distance from vault top to meter as shown on the details.

Question No. 35: What fees will be assessed for the plumbing permits required on this project? Will fees be waived since this is a County project? Would it be possible to pull a blanket permit for the entire project?

Answer 35: Fees are waived for County CIP projects. A separate permit will be required for each property where plumbing work is being performed except as noted in response 36.

Question No. 36: We have consulted a local Master Plumber regarding a permit for installing an expansion tank. First he indicated that code requirements do not require that a plumbing permit be pulled for this work. Additionally, he indicated that there is a good chance that many of these properties already have expansion tanks if they have been served by the existing water system for any period of time. This leads us to the fact that the contingent item quantity of 70 each may be overstated. Will a plumbing permit be required for expansion tank installations? If so, will all fees be waived since this is a County project?

Answer 36: The County highly recommends the installation of an expansion tank and PRV as the new meters will have a backflow preventer *AND* the system will be tied to a higher pressure zone. If the only work being done is the addition of an expansion tank, then a permit will not be required as long as the work is being performed by a Registered County Master Plumber. However, a permit is required for the PRV installation inside the home. This item is to be used at the request of the home owner but must be authorized by the Engineer.

Question No. 37: The contingent item quantity for Item B-11, Installation of Thermal Expansion Tank, indicates there is a potential for an interior installation at 100% of the water service locations on this project. Has Frederick County conducted a survey of all properties to determine the need for thermal expansion tanks? We are concerned about our ability to coordinate access for a Master Plumber to review/price this work at 70 locations prior to the scheduled bid date. An additional concern if the contingent item quantity is overstated overall bid pricing could be affect as we anticipate pricing received from plumbers may err high due to their inability to review each site.

Answer 37: No survey has been conducted. This project will be upgrading the existing 4" water main to a new 8" water main, plus connecting the supply to a higher pressure zone. The plumber should consider the work as described.

This item has been **CHANGED** to include the installation of a Pressure Reducing Valve

Bid items B-9 thru B-11 are intended for use by the individual property owners, as requested, so that the individual services can accommodate the new flow and pressure. Please refer to the revised proposal form as the quantity has been changed for bidding purposes.

Question No. 38: The contingent quantities for Items B-9 and B-10, Private Water Piping Beyond the Meter, indicates there may be a considerable amount of private water service piping replacement on this project. Has Frederick County conducted a survey of all properties to determine the condition/need for replacement of the existing private water services? What information is known regarding the existing private water service material type?

Answer 38: Little is known about the existing water service lines beyond the meters.

This work does not have to be performed by a Registered Master Plumber, it can be done by a licensed utility contractor. Only exception is connections to interior plumbing must be performed by the Master Plumber.

The quantity for bidding purposes has been revised. Please refer to the revised Proposal Form.

Question No. 39: Measurement and payment for both items B-9 and B-10 indicate that a Master Plumber is required for replacement of Private Water Piping Beyond the Meter to replace the existing water service line to the house. Item B-11, Installation of Thermal Expansion Tank, also indicates that a Master Plumber is required for all work inside an existing dwelling. We understand there is a need for a Master Plumber to perform all work inside of the existing dwellings and perhaps to a point 5' from the house foundation. For the private service installations to within 5' of the existing dwelling, are contractors possessing a Frederick County Onsite Utility Contractor License allowed to perform this work without the services of a Master Plumber?

Answer 39: Yes, the outside work may be performed by an Onsite Utility Contractor.

Question No. 40: Upon reviewing Details 110.1, 110.2, 110.4, it appears the base bid item payment will end 3' behind the new meter pit where we are to reconnect the existing service line. Please confirm that any water service installations from 3' behind the new meter pit toward the existing dwellings will be measured and paid for under the Contingent (item) Private Piping Beyond Meter Items B-9 & B-10.

Answer 40: The base bid for Item No.s A-7, A-8 and A-9 will end 10 feet behind the new meter pit (toward the dwelling) where the Contractor will reconnect to the existing service line.

FREDERICK COUNTY GOVERNMENT
DIVISION OF UTILITIES AND SOLID WASTE MANAGEMENT

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MEMORANDUM

Rosemont Waterline Replacement Project
Pre-Bid Meeting, December 12, 2012
MEETING MINUTES

On December 12th, 2012 at meeting was held at Winchester Hall in Frederick, Maryland, in an effort to address various questions and concerns raised by prospective bidders for the Rosemont Waterline Replacement Project, Bid #13-CP-06. The meeting was hosted by Tim Kepp with the Frederick County, Department of Finance who begin the introductions at 9:00 AM.

There were various questions and concerns raised and are noted as follows:

1. What are the design and requirements for the temporary water service?
To be addressed by addendum
2. What Detail Patch on the plans should be used?
To be addressed by addendum
3. Will there be any lenience with respect to the 180 day duration?
To be addressed by addendum
4. Who will be inspecting this project? Will the Contractor be able to work on Saturdays?
To be addressed by addendum
5. Is an Engineer's office required. If so, has a location been determined?
County Response: Yes, an engineer's office is required. Location will be addressed by addendum.
6. What is the minimum pressure requirement at the meter?
County Response: The minimum static pressure at the meter shall be 35 psi.
7. When is the cut-off for questions pertaining to the bid of this project?
County Response: The County will provide answer for as long as feasible. It was recommended that inquiries be forwarded in a timely manner.
8. There were various questions raised with respect to the paving restoration requirements and quantities.

To be addressed by addendum

9. Why are there incidental quantities for driveway repair for both asphalt and concrete?

County's Response: Incidental quantities for asphalt driveway and concrete driveway repair are to be used only at the discretion of the Engineer and are intended to be used only for unforeseen conditions. Driveway repairs needed for the installation of the water main and appurtenances as shown on the plans are incidental to the project as stated in the specifications.

10. Is there asbestos cement pipe?

County's Response: To the best of the County's knowledge there is no asbestos cement pipe in the Rosemont water system. However, we have limited knowledge of this system and cannot guarantee its existence. Removal of asbestos cement pipe will be addressed by addendum.

11. How will notching the water service connection be handled with respect to the paving requirements?

To be addressed by addendum

12. Will there be fire protection during the construction of this project?

To be addressed by addendum

13. Will a "blanket" permit be issued for all the private plumbing services?

To be addressed by addendum

14. Many concerns regarding the MDE-Drinking Water-SRLF, MBE and WBE requirements, goals and good faith efforts.

Addressed by Addendum No. 1.

15. What wage rate shall be used for this project?

County's Response: The wage determination can be located if the directions provided in the appendix, page 3 of the SRF State Insert. (Please note: MD55 includes sewer/water)

ADDITIONAL CLARIFICATIONS

A. Temporary Water Line design requirements.

Answer: The Bidder's attention is directed to Section 02555, Temporary Water in the project's specification manual. Page 57, discusses both pipe diameter and specifications.

Section 02555, page 57, the first paragraph, starting with "All temporary bypass . . ." is **DELETED**.

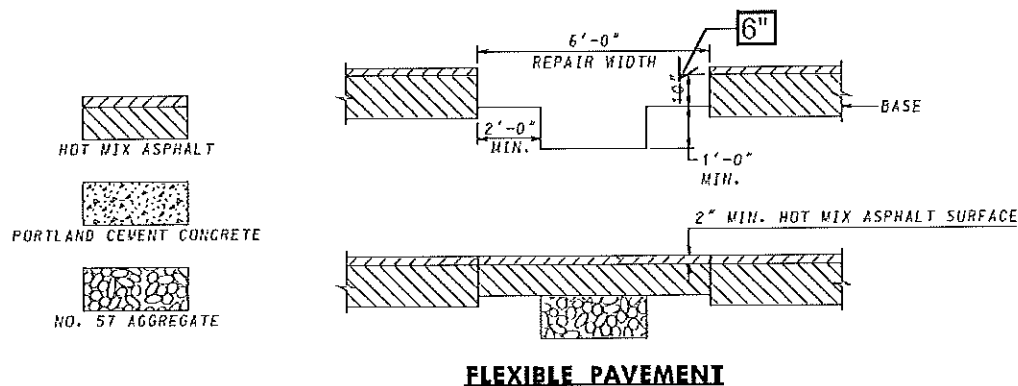
Section 02555, page 57, the fifth paragraph, starting with "Temporary water shall be . . ." is **DELETED**.

B. Asphalt Trenches/SHA Requirements

Restoration associated with the installation of the 8" Ductile Iron Pipe and its appurtenances is incidental to the bid price for "Furnish and Install 8" Ductile Iron Pipe, Class 52 (Complete)" and related bid items. This quantity shall include costs for temporary patch needed to provide immediate trench restoration.

Bid Item No. A-13, Hot Mix Asphalt Patches, Full Depth (Complete) shall include costs related to the permanent trench repair required by MD-SHA, detail 578.01 on Sheet 12.

MD-SHA, detail 578.01 is hereby modified for this project. On the "Flexible Pavement" portion of the detail, the dimension for Hot Mix Asphalt Base is **CHANGED from 10" to 6"**.



All work performed on a state highway must conform to the most recent version of the MD-SHA Utility Permit Master Provisions.

*Clarification regarding (any) damage caused by the Contractor as a result of his work included in the scope of this project.

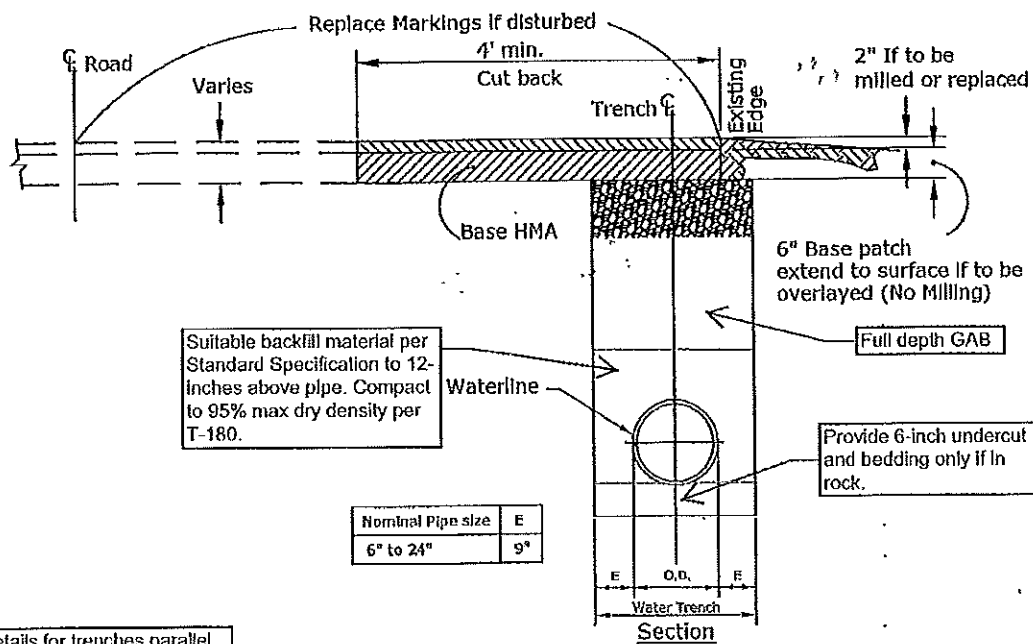
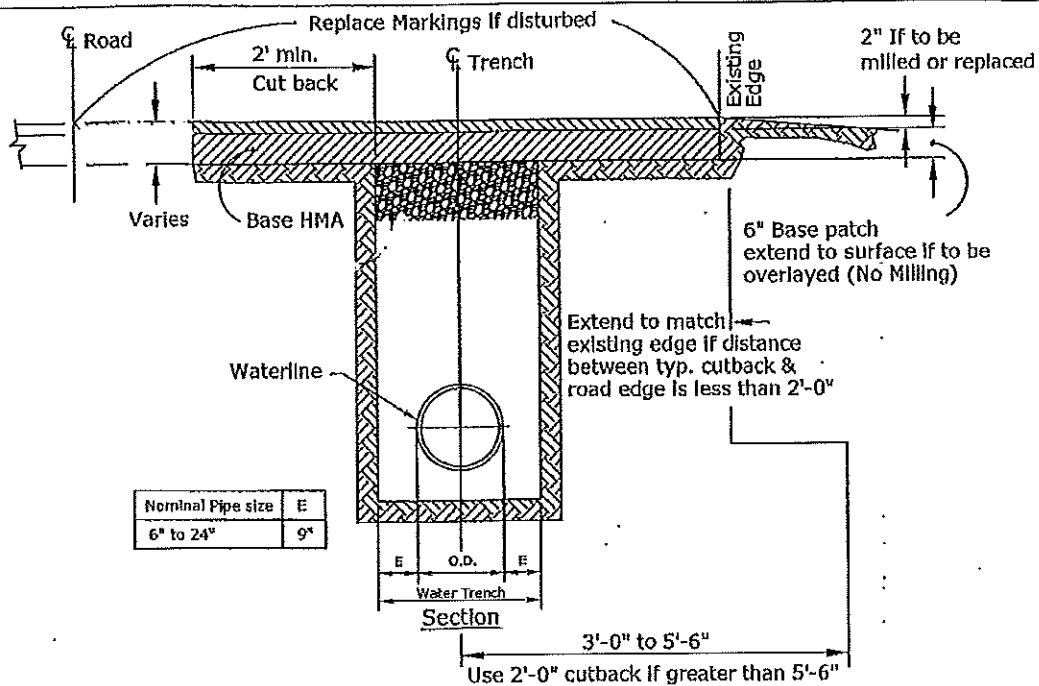
The Bidder's attention is directed to Section 1900-Project Clean Up, Restabilization and Restoration of the Frederick County's General Conditions and Standard Specifications for Water Mains, Sanitary Sewers and Related Structures.

Restoration of a state highway is bound by the MD-SHA permit. For any open-cut trench, a full-depth patch is required. Once work on a specific state road has been completed then the areas that have been disturbed shall be milled and overlayed. If an open-cut trench crosses the road, then the mill and overlay will extend 50-feet on either side of the trench. In areas where the main follows the edge of pavement, then the mill and overlay will extend from the existing edge of pavement to the centerline as directed by the MD-SHA inspector.

Materials and methods of construction shall be in accordance with jurisdictional requirements. Therefore, all work to be done within a MD-SHA right-of-way shall conform to the requirements set forth by the state. All other work shall abide by County requirements.

Clarification for Bid Item B-11-Furnish and Install Thermal Expansion Tank by Master Plumber, Including Permit (Complete).

The purpose of this item is to provide the necessary plumbing services needed to accommodate the new water system and pressures to private citizens. It is the intention that each owner be given the option whether to use the Contract bid price or seek plumbing services on their own.



Details for trenches parallel with road centerline. See MD 578.01 for perpendicular cuts across roadway.

Frederick County
Division of Utilities &
Solid Waste Management
Department of
Engineering & Planning

Revisions	
Date	Note
12-17-12	

Rosemont Project
SHA Road Repair Over
Water Trenches

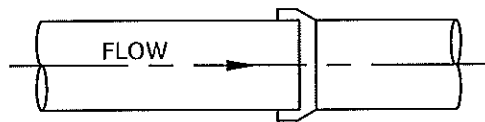
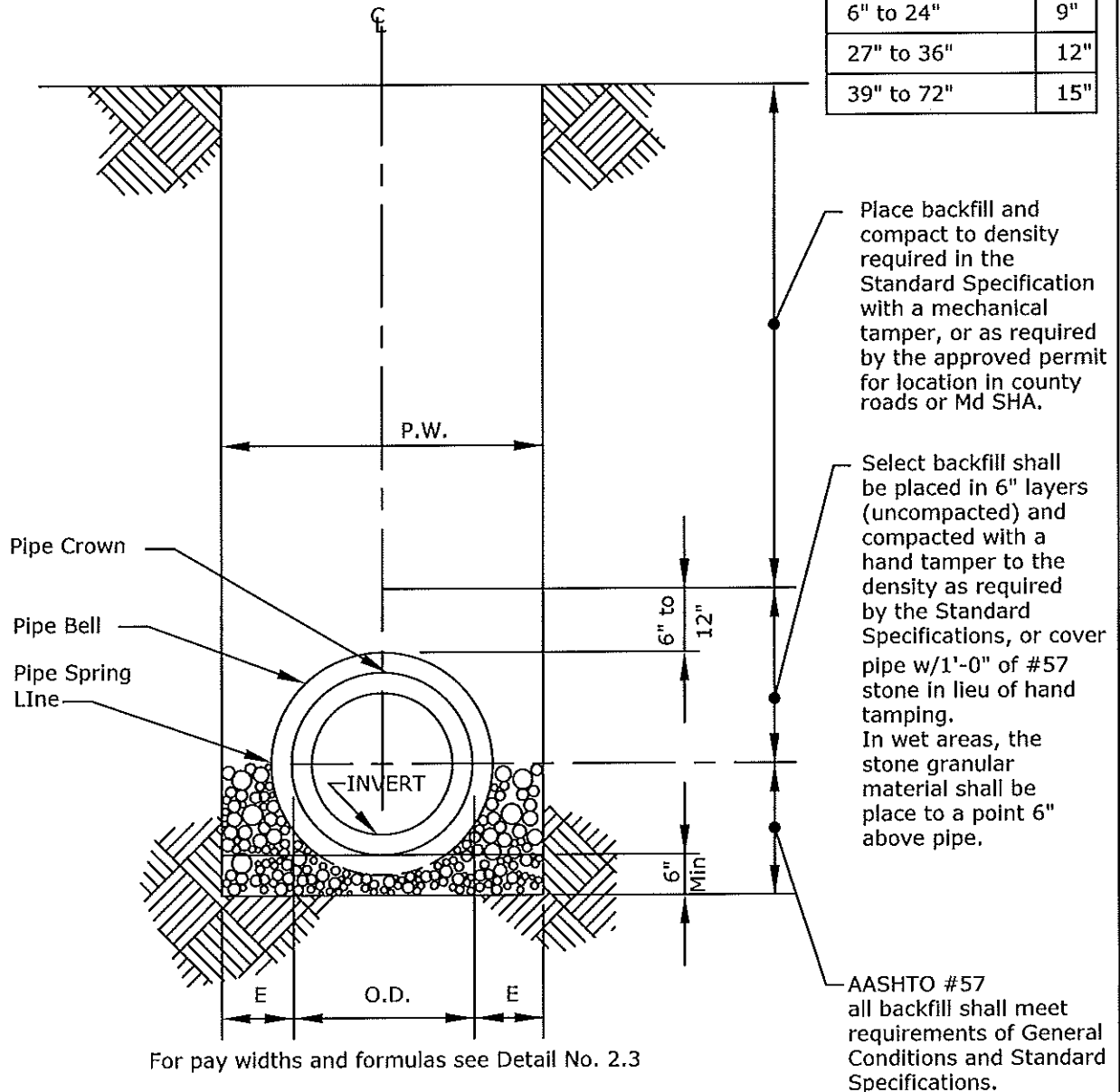
Detail No.

Date:

Sketch SK-1
Issued w/Addendum No. 2

Maximum payment width (P.W.) = Pipe Barrel O.D. + 2E

Nominal Pipe size	E
6" to 24"	9"
27" to 36"	12"
39" to 72"	15"



Sewer pipe shall be installed from spigot to bell in direction with flow.

Frederick County
Division of Utilities &
Solid Waste Management
Department of
Engineering & Planning

Revisions	
Date	Note
07-18-08	Add flow detail
10-18-11	General revisions
01-23-12	General revisions
.	.
.	.

Typical Trench for Sewer
or Water Lines

Detail No.

2.1

Date:

PAY WIDTH FOR DIFFERENT PIPE BY MATERIAL AND SIZE

PVC

Dia. 6" - 2.02' p.w.
 Dia. 8" - 2.20' p.w.
 Dia. 10" - 2.38' p.w.
 Dia. 12" - 2.54' p.w.
 Dia. 15" - 2.78' p.w.
 Dia. 18" - 3.06' p.w.
 Dia. 21" - 3.34' p.w.
 Dia. 24" - 3.57' p.w.
 Dia. 27" - 4.33' p.w.

RCSP

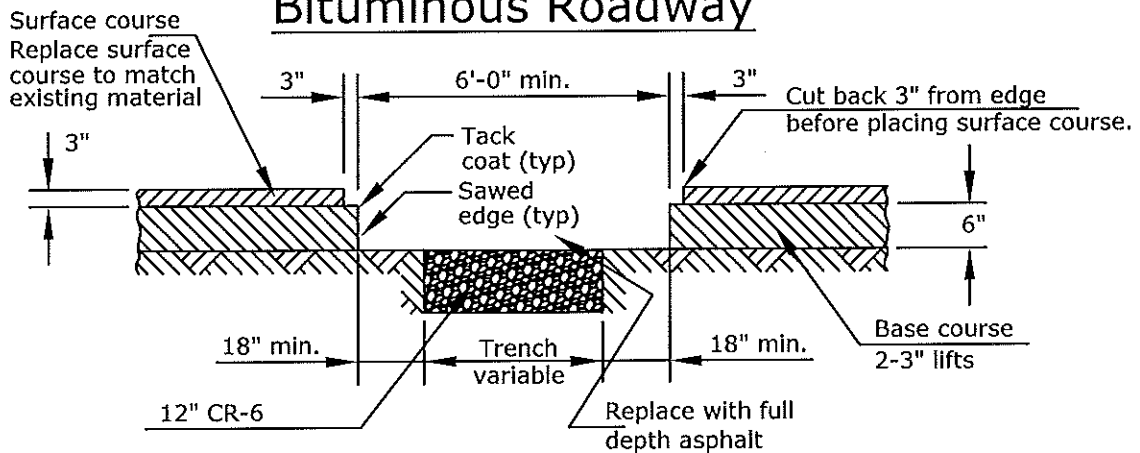
Dia. 18" - 3.65' p.w.
 Dia. 30" - 5.25' p.w.
 Dia. 36" - 5.83' p.w.

DIP

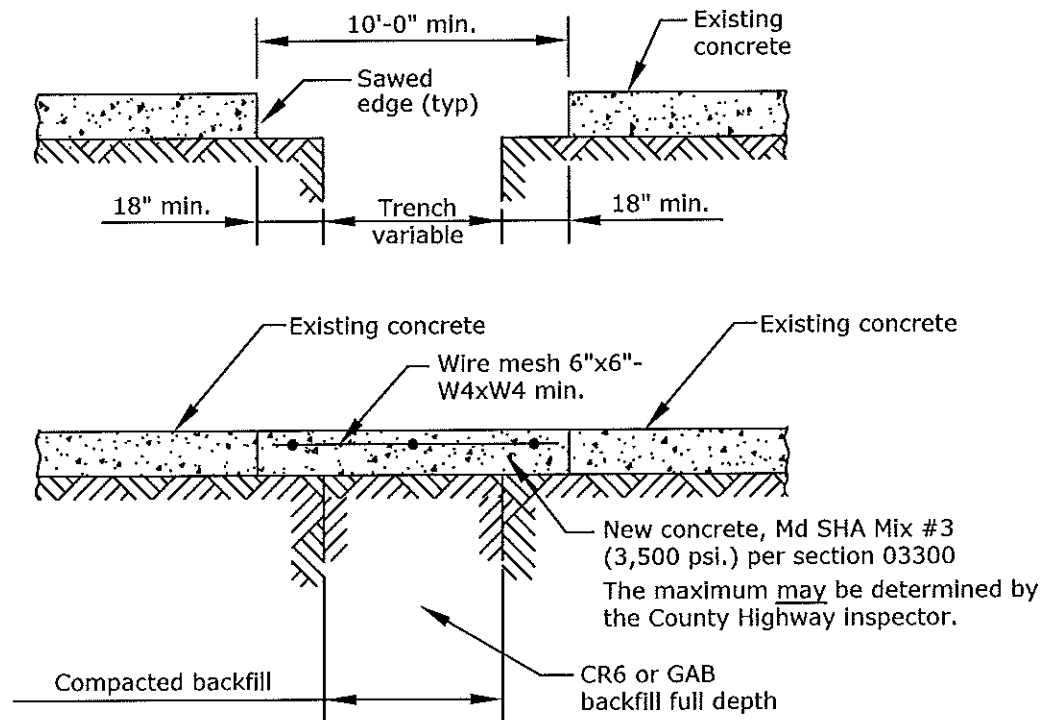
Dia. 6" - 2.08' p.w.
 Dia. 8" - 2.25' p.w.
 Dia. 10" - 2.42' p.w.
 Dia. 12" - 2.60' p.w.
 Dia. 16" - 2.95' p.w.
 Dia. 20" - 3.30' p.w.
 Dia. 24" - 3.65' p.w.

Frederick County Division of Utilities & Solid Waste Management Department of Engineering & Planning	Revisions		Pay Width By Materials	Detail No.
	Date	Note		2.3
	10-18-11	General revisions		
	01-23-12	General revisions		
	.	.		Date:
	.	.		

Bituminous Roadway



Cement Concrete Roadway



- 1: County roads shall be repaired as above unless the County Road crossing permit requires other repairs - then perform the work in accordance with the permit.
- 2: Measurement and payment for these items shall be the number of square yards of surface course materials furnished and installed in-place and in accordance with the project specific details (note any variations) and to the limits as shown on the drawings.

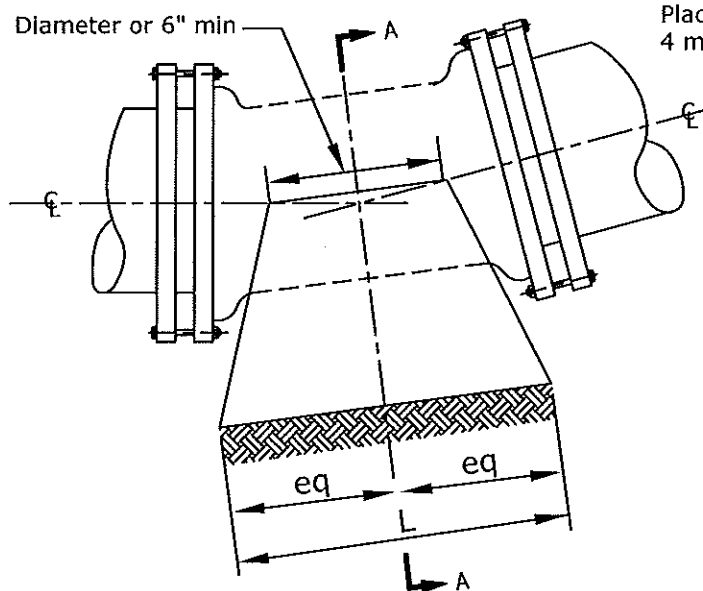
Frederick County Division of Utilities & Solid Waste Management Department of Engineering & Planning	Revisions		County Road Repair Over Water and Sewer Trenches	Detail No.
	Date	Note		3.1
	07-18-08	Revise asphalt detail		Date:
	10-18-11	General revisions		
	01-23-12	General revisions		

Mechanical Joint Pipe						
Nominal Pipe Size	Max. Deflection				Minimum Radius-Feet	
	18 Ft Length		20 Ft Length		18 Ft Length	20 Ft Length
	Inches	Degrees	Inches	Degrees		
4	31	8.17	35	8.30	125	140
6	27	7.13	30	7.13	145	160
8	20	5.29	22	5.24	195	220
10	20	5.29	22	5.24	195	220
12	20	5.29	22	5.24	195	220
16	13.5	3.57	15	3.58	285	320
18	11	2.92	12	2.86	340	380
20	11	2.92	12	2.86	340	380
24	9	2.39	10	2.39	450	500
36	9	2.39	10	2.39	450	500
42	7.5	1.99	8	1.91	510	570
48	7.5	1.99	8	1.91	510	570

Push-on Joint Pipe						
Nominal Pipe Size	Max. Deflection				Minimum Radius-Feet	
	18 Ft Length		20 Ft Length		18 Ft Length	20 Ft Length
	Inches	Degrees	Inches	Degrees		
4	19	5.03	21	5.00	205	230
6	19	5.03	21	5.00	205	230
8	19	5.03	21	5.00	205	230
10	19	5.03	21	5.00	205	230
12	19	5.03	21	5.00	205	230
16	11	2.92	12	2.86	340	380
18	11	2.92	12	2.86	340	380
20	11	2.92	12	2.86	340	380
24	11	2.92	12	2.86	340	380
36	11	2.92	12	2.86	340	380
42	7.5	1.99	8	1.91	510	570
48	7.5	1.99	8	1.91	510	570

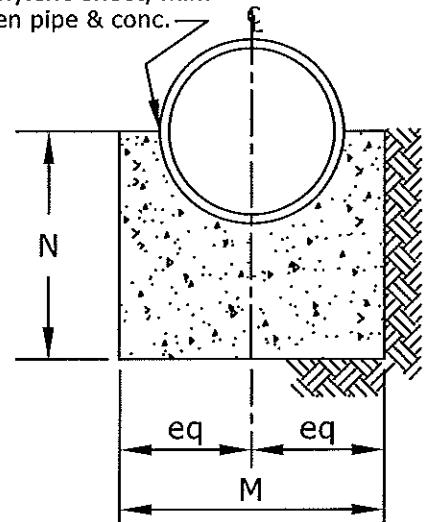
The Above Charts Are in Accordance With AWWA C600.

Frederick County Division of Utilities & Solid Waste Management Department of Engineering & Planning	Revisions		Curvature of Water Mains	Detail No.
	Date	Note		101.1
	.	.		Date:
	.	.		
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Elevation or Plan

Place polyethylene sheet, min.
4 mil between pipe & conc.



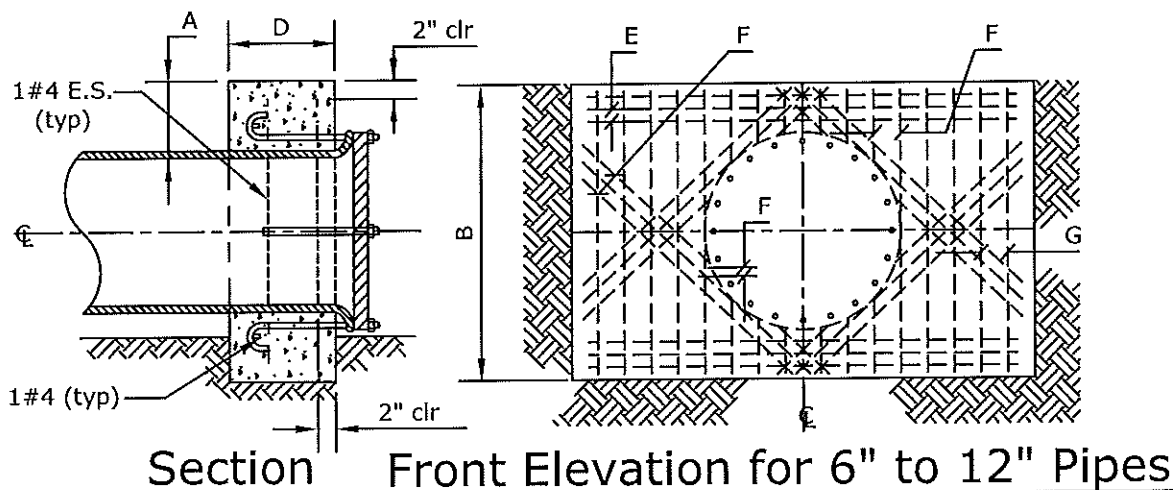
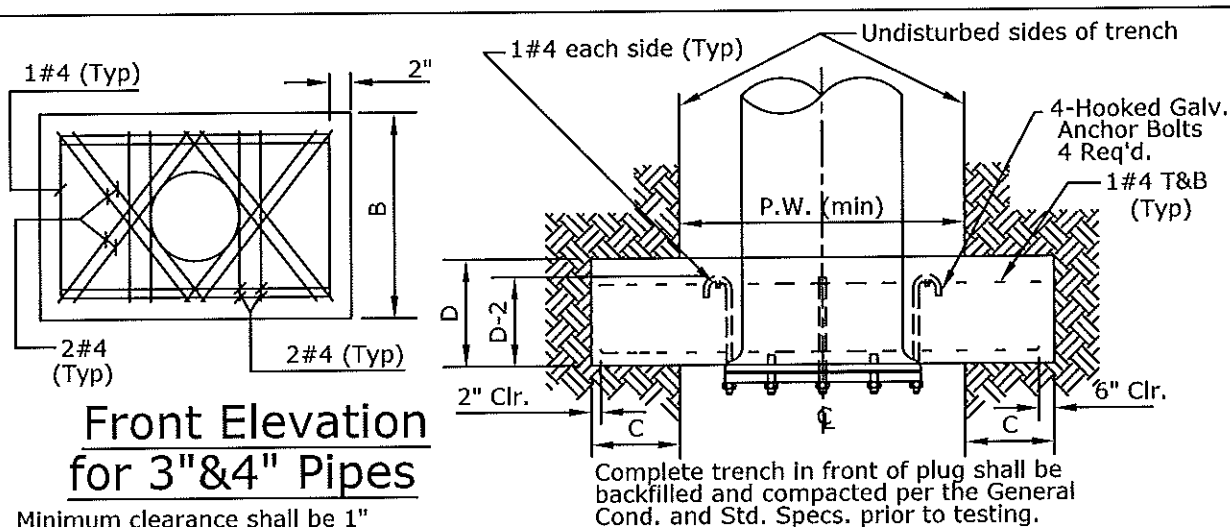
Section A-A

Buttress Dimensions											
Bend		Size									
		3"	4"	6"	8"	10"	12"	16"	20"	24"	30"
11 1/4°	L	6"	6"	6"	8"	8"	8"	1'-1"	1'-5"	1'-10"	2'-8"
	M	1'-0"	1'-0"	1'-2"	1'-4"	1'-6"	2'-0"	2'-4"	2'-8"	3'-0"	3'-4"
	N	8"	8"	8"	8"	8"	8"	9"	10"	12"	12"
22 1/2°	L	6"	8"	10"	11"	1'-3"	1'-4"	2'-1"	2'-9"	3'-7"	5'-3"
	M	1'-0"	1'-0"	1'-2"	1'-4"	1'-6"	2'-0"	2'-4"	2'-8"	3'-0"	3'-2"
	N	8"	8"	8"	8"	9"	9"	12"	1'-2"	1'-4"	1'-6"
45°	L	10"	1'-0"	1'-2"	1'-9"	2'-5"	2'-8"	4'-0"	5'-6"	6'-0"	8'-2"
	M	1'-0"	1'-0"	1'-2"	1'-4"	1'-6"	2'-0"	2'-4"	2'-8"	3'-6"	4'-0"
	N	8"	8"	8"	8"	12"	1'-2"	1'-6"	2'-0"	2'-6"	3'-0"
90°	L	1'-0"	1'-4"	2'-0"	2'-8"	3'-4"	3'-8"	5'-6"	6'-8"	8'-0"	9'-8"
	M	9"	10"	12"	1'-4"	1'-9"	2'-3"	2'-8"	3'-6"	4'-0"	4'-7"
	N	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	2'-0"	2'-3"	2'-9"	3'-5"

Notes:

1. All concrete to be Md. S.H.A. mix No. 1.
2. All bearing surfaces shall be placed against undisturbed ground with a min. soil bearing pressure of 3,000 lbs. per s.f. & static water pressure of 150 p.s.i. Where pressure exceeds 150 p.s.i. or where soil bearing pressure is less than 3,000 p.s.f., special buttress design is required.
3. These buttresses shall be used for horizontal and lower vertical bends.
4. Mechanical joint restraint may be used in lieu of concrete buttresses.

Frederick County Division of Utilities & Solid Waste Management Department of Engineering & Planning	Revisions		Buttresses for Use at Horizontal and Lower Vertical Bends	Detail No. 102.1
	Date	Note		
	07-18-08	Add note 4		Date:
	10-18-11	General revisions		
	01-23-12	General revisions		

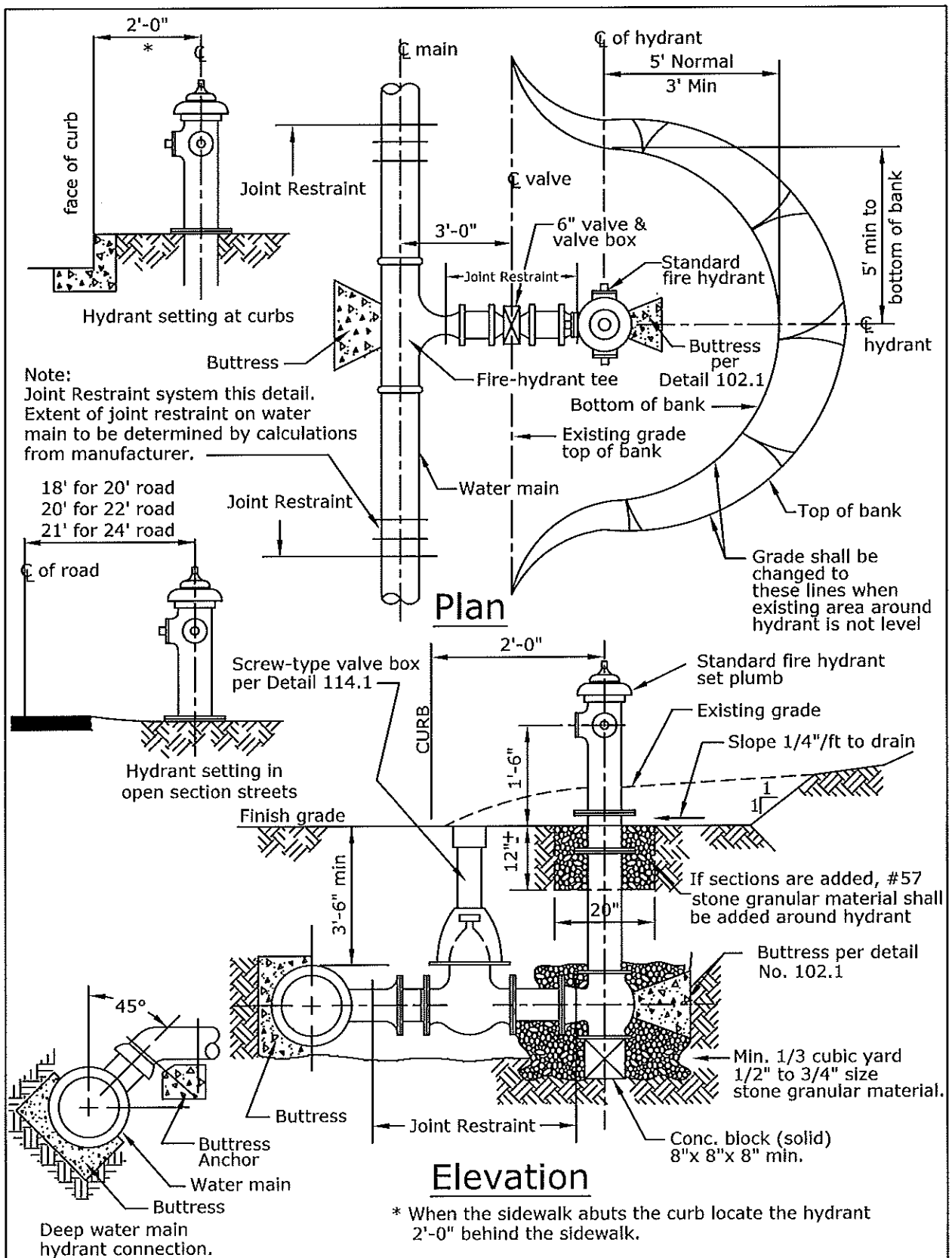


Anchor Dimensions					Steel-Size & Spacing		
Pipe size	A	B	C	D	E	F	G
3"	4"	1'-0"	6"	12"	—	—	—
4"	4"	1'-0"	9"	12"	—	—	—
6"	6"	1'-6"	1'-0"	12"	2-#4	2-#4	#4@3"
8"	1'-0"	2'-9"	1'-0"	1'-6"	2-#4	2-#4	#4@3"
10"	1'-0"	3'-3"	1'-3"	1'-6"	3-#4	2-#4	#4@3"
12"	1'-0"	3'-9"	1'-6"	1'-6"	4-#4	2-#4	#4@3"

Notes:

1. Concrete shall be MSHA Mix No. 1.
2. Reinforcing Steel to be A.S.T.M. A-615 Grade 40 and/or Grade 60.
3. Galvanized anchor bolts to have a minimum $F_y = 36,000$ p.s.i..
4. If trench width exceeds P.W. by more than 25% anchor wall design must be verified for structural adequacy.
5. Pipe test pressure = 150 p.s.i. hydrostatic.
6. Mechanical joint restraint may be used in lieu of concrete anchors.

Frederick County Division of Utilities & Solid Waste Management Department of Engineering & Planning	Revisions		Anchors for Plugs	Detail No. 104.1
	Date	Note		
	10-18-11	General revisions		Date:
	01-23-12	General revisions		



Frederick County
Division of Utilities &
Solid Waste Management
Department of
Engineering & Planning

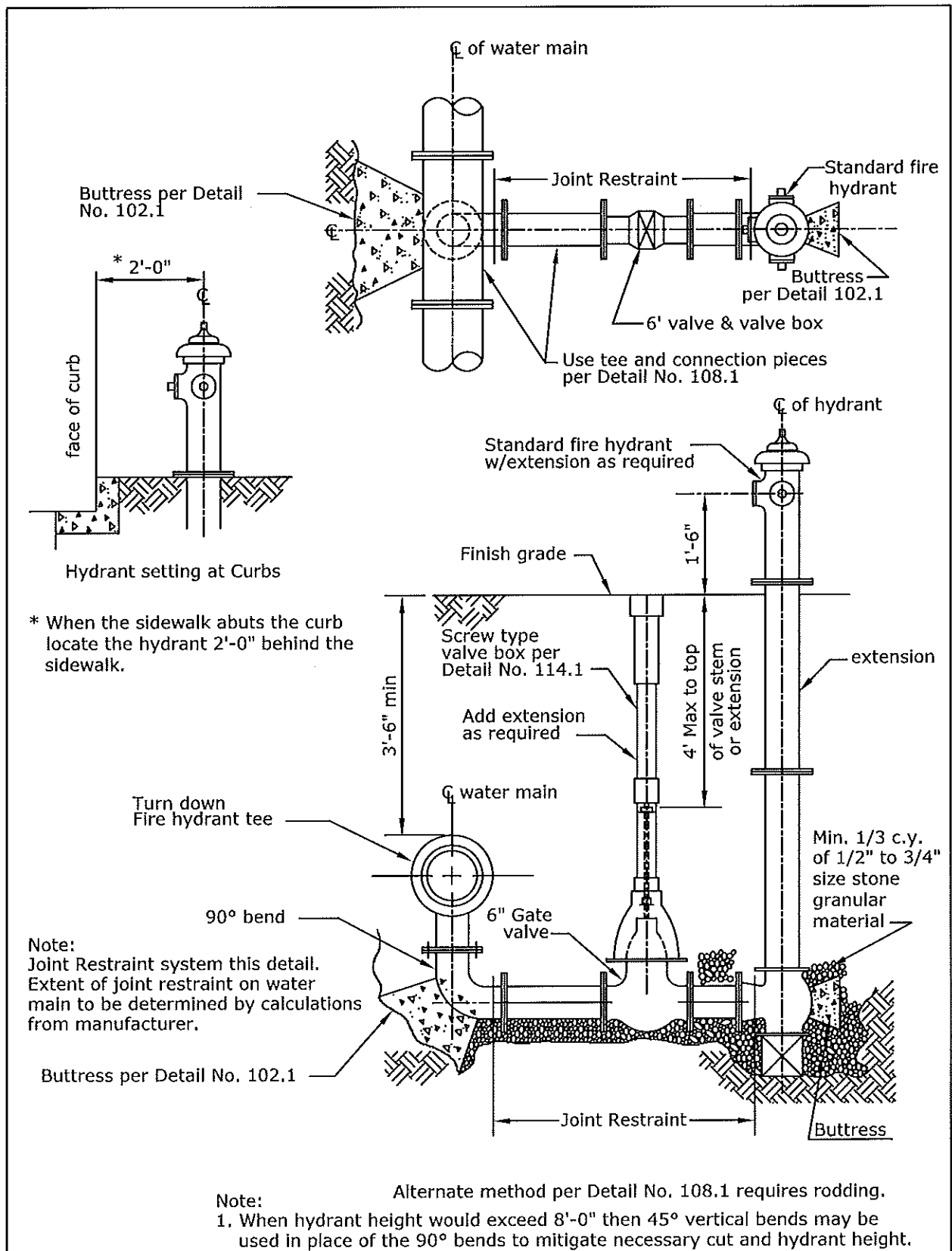
Revisions	
Date	Note
10-18-11	General revisions
01-23-12	General revisions
10-31-12	General revisions

Fire Hydrant Setting and Grading

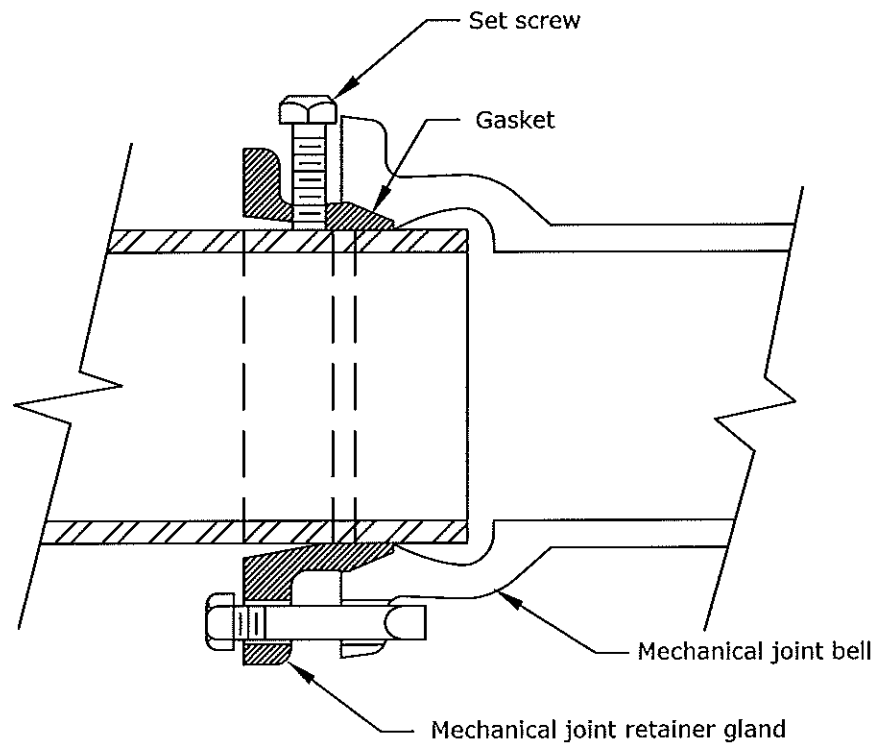
Detail No.

108.1

Date:



Frederick County Division of Utilities & Solid Waste Management Department of Engineering & Planning	Revisions		Low Point Dewatering Fire Hydrant	Detail No. 108.2
	Date	Note		
	01-23-12	General revisions		Date:
	10-31-12	General revisions		

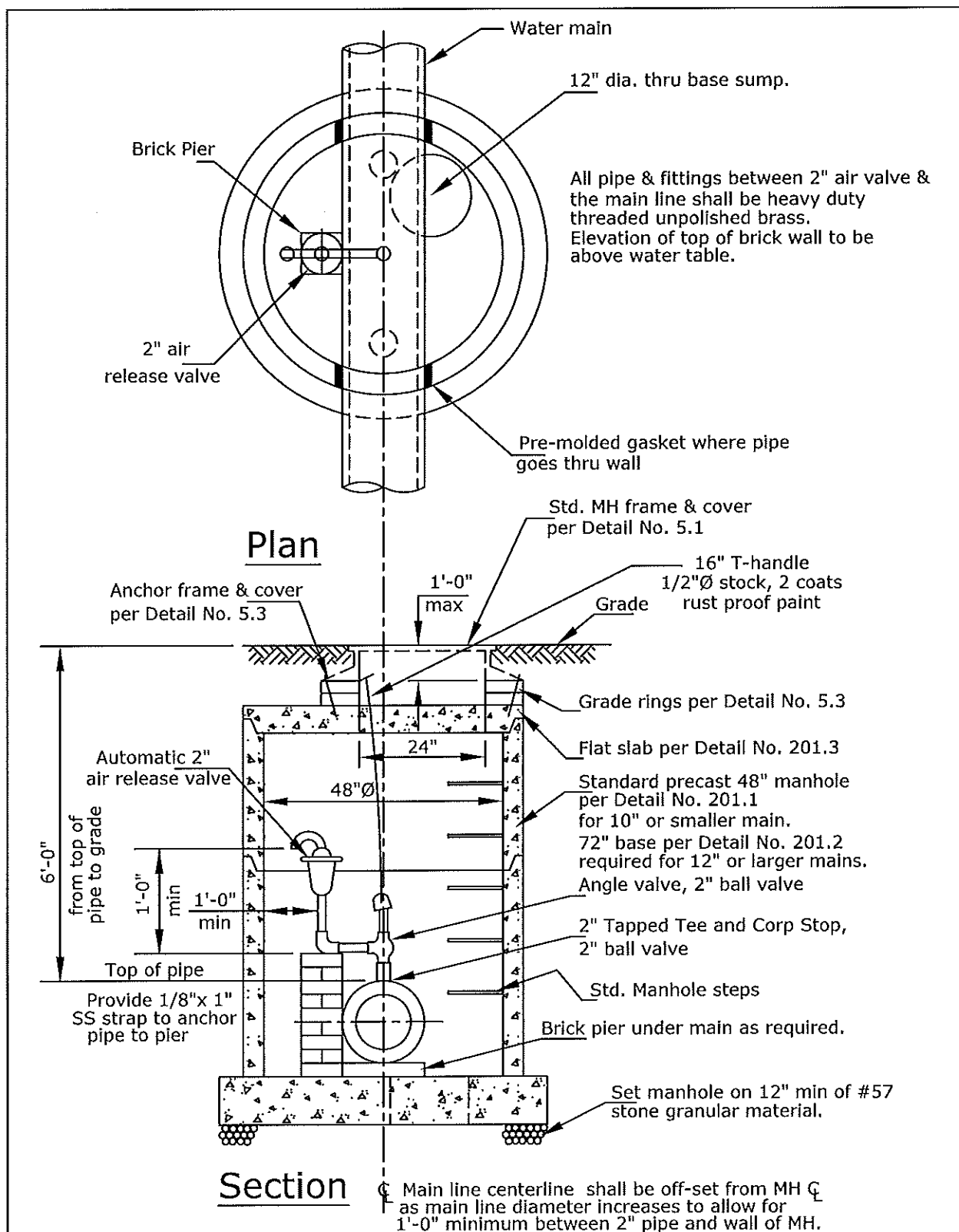


Nominal size in inches	No. of set screws	Pressure rating in PSI
3	4	300
4	4	300
6	6	300
8	9	200
10	16	200
12	16	200
16	24	200
20	28	200
24	32	150
30	40	150

Notes:

1. Mechanical joint pipe & fittings only.
2. All set screws are 5/8" with hardened cupped ends and 5/8" square heads.
3. Sizes 16" through 30" are for installation on ductile iron pipe only.
4. Tighten set screws evenly to 80 foot-pounds on 3"-12" glands and 65 foot-pounds on 16"- 30" glands.

Frederick County Division of Utilities & Solid Waste Management Department of Engineering & Planning	Revisions		Mechanical Joint Retainer Gland	Detail No.
	Date	Note		109.1
	.	.		Date:
	.	.		
	.	.		



Frederick County
Division of Utilities &
Solid Waste Management
Department of
Engineering & Planning

Revisions	
Date	Note
07-18-08	General revisions
10-18-11	General revisions
09-20-12	General revisions

2" Air Release Valve in MH
for 24" & Smaller
Water Mains

Detail No.

115.1

Date:

Rosemont Water Line Replacement Project
Bid No. 13-CP-06
Issued with Addendum No. 2

All questions or concerns should be directed to Tim Kepp, Project Manager IV of the Procurement and Contracting Department by email, tkepp@FrederickCountyMD.gov.

Acknowledgment of this addendum shall be made on the Proposal Form, including addendum number and date. Failure to acknowledge addendum may subject the bidder to disqualification.

The bid due date has not been changed.

Except as noted herein, all terms and conditions of the document referenced, as heretofore changed, remain unchanged and in full force and effect.

Tim Kepp, Project Manager